

What is claimed is:

1. A plant growth regulator containing cinnamic acid.
2. The plant growth regulator according to claim 1, wherein said cinnamic acid is dispersed in an aqueous medium.
- 5 3. The plant growth regulator according to claim 2, wherein said regulator contains a dispersant, and using the dispersant, the cinnamic acid is dispersed in the aqueous medium.
4. The plant growth regulator according to claim 1, wherein said cinnamic acid is dispersed in an aqueous medium
- 10 with a dispersant.
5. The plant growth regulator according to claim 3 or 4, wherein said dispersant comprises at least one selected from the group consisting of lignin sulfonates and carboxymethylcelluloses.
- 15 6. The plant growth regulator according to claim 1, wherein said cinnamic acid is dissolved in the aqueous medium as cinnamate in a concentration exceeding maximum solubility thereof in water.
7. The plant growth regulator according to claim 6, wherein said cinnamic acid is dissolved in an aqueous solution of an alkaline solubilizer.
- 20 8. The plant growth regulator according to claim 7, wherein said solubilizer is at least one selected from the group consisting of tripolyphosphate salts, polyphosphate salts, phosphate salts, pyrophosphate salts, monohydrogen phosphate salts, dihydrogenphosphate salts, carbonate salts, monohydrogen carbonate salts, and acetate salts, hydroxides.
- 25 9. The plant growth regulator according to claim 1, wherein said solubilizer is at least one selected from the group consisting of tripolyphosphate salts, hydroxides, carbonate salts and acetate salts.
- 30 10. The plant growth regulator according to claim 9, wherein said tripolyphosphate salts are at least one of the group consisting of sodium tripolyphosphate, potassium triphosphate and ammonium triphosphate; said hydroxides are at least one of the group consisting of sodium hydroxide, potassium hydroxide and ammonium hydroxide; said carbonate salts are at least one potassium carbonate, sodium carbonate and ammonium carbonate;

and said acetate salts are at least one of the group consisting of potassium acetate, sodium acetate and ammonium acetate.

11. The plant growth regulator according to claim 1, wherein a concentration of said cinnamic acid is 25 weight %
5 or less.

12. The plant growth regulator according to claim 1, wherein a plant is a young plant of at least one selected from the group consisting of poinsettia, geranium, hydrangea, chrysanthemum, lily, morning glory and petunia.

10 13. The plant growth regulator according to claim 1, wherein a plant is a young plant of at least one selected from the group consisting of Chinese cabbage, cabbage, carrot, green onion, onion, ging-geng-cai, Japanese radish, lettuce, field peas, cauliflower, broccoli, burdock, radish, turnip, tomato, 15 cucumber, eggplant, squash, watermelon, prince melon, Cucumis melo var. makuwa, and melon.

14. A method of producing said plant growth regulator, which comprises mixing and dispersing cinnamic acid and an aqueous medium in the presence of a dispersing medium.

20 15. A method of producing said plant growth regulator, which comprises dissolving cinnamic acid in an aqueous solution of an alkaline solubilizer.

25 16. A method of dwarfing said young plant, which comprises applying to said young plant said plant growth regulator according to claim 1 in a ratio of 0.0001 to 0.2 parts by weight of cinnamic acid to 100 parts by weight of soil with which said young plant is reared.

17. A dwarfing plant produced by a method according to claim 16.